

IN THE CLAIMS:

Please cancel claims 35, 38-40, 43, 45, and 48, and amend claims 1, 30-32, 36, and 41 as shown below.

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1. (Amended) A method of cloning a porcine fetus or live offspring, comprising:

(i) inserting a desired differentiated pig cell or cell nucleus into an optionally enucleated pig oocyte or blastomere, under conditions suitable for the formation of a nuclear transfer (NT) unit;

(ii) removing the endogenous nucleus from said oocyte or blastomere if not previously removed;

(iii) activating the resultant nuclear transfer unit;

(iv) optionally culturing said NT unit; and

(v) transferring said optionally cultured NT unit to a host female porcine such that the NT unit develops into a porcine fetus or animal.

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30. (Amended) The method according to Claim 1, wherein the nuclear transfer unit is activated by exposure to a single or multiple electrical pulses.

31. (Amended) The method according to Claim 1, wherein the nuclear transfer unit is activated by exposure to ionomycin and DMAP.

32. (Amended) The method according to Claim 1, wherein the nuclear transfer unit is activated by exposure to at least one activating factor derived from sperm cells.

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